Notice of Allowability	Application No.	Applicant(s)	
	10/616,177	MCCLUNG ET AL.	
	Examiner	Art Unit	
	Khanh Dinh	2151	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *7/9/2003*.

2. ☒ The allowed claim(s) is/are *1-5,7,9-12,14-18,20,22-26,28 and 30*.

3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
   a) ☐ All b) ☐ Some* c) ☐ None of the:
      1. ☐ Certified copies of the priority documents have been received.
      2. ☐ Certified copies of the priority documents have been received in Application No. _____ .
      3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

   * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
   (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
   (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

   Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 1/24/06, 9/27/03
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____ .
7. ☒ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

Khanh Dinh
Primary Examiner
Art Unit: 2151

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with **Todd A. Cason** (the Undersigned Attorney, Reg. No.54,020) on 12/20/2006.

The application has been amended as follows:

IN THE CLAIMS:

Please **cancel** claims 6, 8, 13, 19, 21, 27 and 29.

Please **amend** claims as follows:

1. A method of providing telecommunication service to a terminal comprising:

loading a text-based script comprising a service definition identifying a user interface web service and an address of the user interface web service, a signaling web service definition identifying a signaling web service and an address of the signaling web service, a user interface event handler identifying a user interface event type and including a call to the user interface web service, and a signaling event handler identifying a signaling event type and including a call to the signaling web service;

registering with the user interface web service by communicating a text-based message to the address of the user interface web service;

registering with the signaling web service by communicating a text-based message to the address of the signaling web service;

receiving a text-based incoming event from the signaling web service indicating an incoming call ~~receiving an incoming event~~;

determining that the incoming event corresponds to one of the user interface event type and the signaling event type; ~~and~~

communicating a service request to the address of one of the user interface web service and the address of the signaling web ~~service~~ service;

sending a ring service request to the user interface web service in response to receiving the text-based incoming event from the signaling web service;

waiting a predetermined period of time after sending the ring service request;

sending a service request to a voicemail web service, after the predetermined period of time; and

sending a stop ringing service request to the user interface web service after sending the service request to the voicemail web service.

2. The method of Claim 1, wherein the service request comprises Extensible Markup Language (XML) commands.

3. The method of Claim 1, wherein communicating comprises communicating using the HyperText Transfer Protocol (HTTP).

4. The method of Claim 1, further comprising receiving a service response from one of the user interface web service and the signaling web service.

5. The method of Claim 1, wherein registering with the signaling web service comprises registering a particular user with the signaling web service.

6. (Canceled)

7. The method of Claim 1 ~~Claim 6~~, wherein ~~sending a ring event comprises sending a ring service request to the user interface web service; and~~ the method further comprises receiving an off-hook event from the user interface web service.

8. (Canceled)

9. A telephony device for providing telecommunication service comprising;

an audio output operable to transmit voice output to a user;

an audio input operable to receive voice input from a user;

a display operable to display information to a user;

a user input operable to receive an input from the user;

a network interface operable to receive signals from a network;

a memory; and

a controlling process operable to:

load a text-based script comprising a user interface service definition identifying a user interface web service and an address of the user interface web service, and a user interface event handler identifying a user interface event type;

register with the user interface web service;

receive a text-based incoming event from the signaling web service indicating an incoming call ~~receive an incoming event~~;

determine that the incoming event corresponds to the user interface event type; ~~and~~

communicate a service request to the user interface web service;

send a ring service request to the user interface web service in response to receiving the text-based incoming event from the signaling web service;

wait a predetermined period of time after sending the ring service request;

send a service request to a voicemail web service, after the predetermined period of time; and

send a stop ringing service request to the user interface web service after sending the service request to the voicemail web service; and

a user interface web service, operable to provide low level interface to audio output, audio input, user input, and display, and operable to engage in text-based messaging with controlling process.

10. The system of Claim 9, wherein the service request comprises Extensible Markup Language (XML) instructions.

11. The system of Claim 9, wherein the controlling process is further operable to communicate the service request by using the HyperText Transfer Protocol (HTTP).

12. The system of Claim 9, wherein the controlling process is further operable to receive a service response from the web service.

13. (Canceled)

14. A system for providing modular telecommunication service comprising:

a network,

one or more web services,

a communication device coupled to the network and coupled to the web service, the device operable to:

load a text-based script, the script comprising a first service definition identifying a user interface web service and an address of the user interface web service, a second service definition identifying a signaling web service and an

address of the signaling web service, a user interface event handler identifying a user interface event type, ~~type;~~ and a signaling event handler identifying a signaling event type; and

register with the user interface web service by communicating a text-based message to the address of the user interface web service;

register with the signaling web service by communicating a text-based message to the address of the user interface web service;

receive a text-based incoming event from the signaling web service indicating an incoming call ~~receive an incoming event from the network~~;

determine that the incoming event corresponds to one of the user interface event type and the signaling event type; ~~and~~

communicate a service request to the user interface web service or the signaling web ~~service~~ service;

send a ring service request to the user interface web service in response to receiving the text-based incoming event from the signaling web service;

wait a predetermined period of time after sending the ring service request;

send a service request to a voicemail web service, after the predetermined period of time; and

send a stop ringing service request to the user interface web service after sending the service request to the voicemail web service.

15. The system of Claim 14, wherein the service request comprises Extensible Markup Language (XML) instructions.

16. The system of Claim 14, wherein the communication device is further operable to communicate a service request by communicating using the HyperText Transfer Protocol (HTTP).

17. The system of Claim 14, wherein the communication device is further operable to receive a service response from the web services.

18. The system of Claim 14, wherein the communication device is further operable to register with the signaling web service by registering a particular user with the signaling web service.

19. (Canceled)

20. The system of Claim 14 ~~Claim 19~~, wherein ~~the communication device is further operable to send a ring event by sending a ring service request to the user interface web service; and~~ the communication device is further operable to receive an off-hook event from the user interface web service.

21. (Canceled)

22. A computer program stored on a computer readable medium, the computer program operable to:

load a text-based script, the script comprising a service definition identifying a user interface web service and an address of the user interface web service, the script further comprising a service definition identifying a signaling web service and an address of the signaling web service, the script further comprising a user interface event handler identifying a user interface event type and including a call to the user interface web service, the script further comprising a signaling event handler identifying a signaling event type and including a call to the signaling web service;

register with the user interface web service;

register with the signaling web service;

receive a text-based incoming event from the signaling web service indicating an incoming call ~~receiving an incoming event~~;

determine that the incoming event corresponds to one of the user interface event type and the signaling event type; ~~and~~

communicate a service request to the address of one of the user interface web service and the address of the signaling web ~~service~~ service;

send a ring service request to the user interface web service in response to receiving the text-based incoming event from the signaling web service;

wait a predetermined period of time after sending the ring service request;

send a service request to a voicemail web service, after the predetermined period of time; and

send a stop ringing service request to the user interface web service after sending the service request to the voicemail web service.

23. The computer program of Claim 22, wherein the service request comprises Extensible Markup Language (XML) commands.

24. The computer program of Claim 22, wherein the computer program is further operable to communicate a service request by using the HyperText Transfer Protocol (HTTP).

25. The computer program of Claim 22, wherein the computer program is further operable to receive a service response from the web service.

26. The computer program of Claim 22, wherein the computer program is further operable to register with the signaling web service by registering a particular user with the signaling web service.

27. (Canceled)

28. The computer program of Claim 22, wherein the computer program is further operable to receive an incoming event by sending a ring service request to the user interface web service; and the computer program is further operable to receive an off-hook event from the user interface web service.

29. (Canceled)

30. A telephony device for providing telecommunication service comprising:

means for loading a text-based script, the script comprising a service definition identifying a web service and an address of the web service, the script further comprising an event handler identifying an event type and including a call to the web service;

means for receiving a text-based incoming event from the signaling web service indicating an incoming call ~~receiving an incoming event~~;

means for determining that the incoming event corresponds to the event type of the event handler; ~~and~~

means for communicating a service request to the web service using the ~~address~~ address;

means for sending a ring service request to the user interface web service in response to receiving the text-based incoming event from the signaling web service;

means for waiting a predetermined period of time after sending the ring service request;

means for sending a service request to a voicemail web service, after the predetermined period of time; and

means for sending a stop ringing service request to the user interface web service after sending the service request to the voicemail web service.

Allowable Subject Matter

2. Claims 1-5, 7, 9-12, 14-18, 20, 22-26, 28 and 30 are allowed.

3. The following is an examiner's statement of reasons for allowance:

The above mention claims are allowable over the prior art of record does not appear to each or render obvious the claimed limitations in combination with the specific added limitations as recited in independent claims and subsequent dependent claims. None of the cited prior art discloses or teaches a telephony method for providing telecommunication service comprising a combination of steps of: receiving a text-based incoming event from the signaling web service indicating an incoming call. The invention further discloses the steps of determining that the incoming event corresponds to one of the user interface event type and the signaling event type, communicating a service request to the address of one of the user interface web service and the address of the signaling

web service and sending a ring service request to the user interface web service in response to receiving the text-based incoming event from the signaling web service; waiting a predetermined period of time after sending the ring service request, sending a service request to a voicemail web service, after the predetermined period of time; and sending a stop ringing service request to the user interface web service after sending the service request to the voicemail web service.

Conclusion

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Khanh Dinh whose telephone number is (571) 272-3936. The examiner can normally be reached on Monday through Friday from 8:00 A.m. to 5:00 P.m.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Zarni Maung, can be reached on (571) 272-3939. The fax phone number for this group is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you

have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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